|   |               |          |                     |              |           |         |         |               |                 |              |          |          |          | 1               | 10/762,164  |                |          |         |  |          |            |  |          | YAO ET AL. |                 |              |          |           |  |  |  |
|---|---------------|----------|---------------------|--------------|-----------|---------|---------|---------------|-----------------|--------------|----------|----------|----------|-----------------|-------------|----------------|----------|---------|--|----------|------------|--|----------|------------|-----------------|--------------|----------|-----------|--|--|--|
|   |               |          |                     |              |           |         |         |               |                 |              |          |          |          |                 | Examiner    |                |          |         |  |          |            |  |          | Art Unit   |                 |              |          |           |  |  |  |
|   |               |          |                     |              |           |         |         |               |                 |              |          |          |          |                 | Fazli Erdem |                |          |         |  |          |            |  |          | 2826       |                 |              |          |           |  |  |  |
|   |               |          |                     |              |           | _       | _       |               |                 |              |          |          |          |                 |             |                |          |         |  |          |            |  |          |            |                 |              |          |           |  |  |  |
|   | √ Rejected    |          |                     |              |           |         |         |               | (Through numera |              |          |          |          | ral)            |             | N Non-Elected  |          |         |  |          |            |  | Appeal   |            |                 |              | ŀ        |           |  |  |  |
|   | =             |          |                     |              | Allowed   |         |         |               | +               | + Restricted |          |          |          |                 | f           | I Interference |          |         |  |          | 0          | Objected   |          |            |                 |              |          |           |  |  |  |
| , |               |          | Ш                   |              |           |         |         |               | Ш               |              |          |          |          |                 |             |                |          |         |  |          |            |  |          |            |                 |              |          |           |  |  |  |
|   | Claim         |          |                     |              | Т         | 무       | ate     | $\overline{}$ |                 |              | Claim    |          |          | 1               | Date        |                |          | -1      | $\vdash$   | -        | Claim      | <del>                                     </del> | Date     |            |                 |              | -        |           |  |  |  |
|   | Final         | Original | 121130              |              |           |         |         |               |                 |              | Final    | Original |          |                 |             |                |          |         |  | Final    | Original   |  |          |            |                 |              |          |           |  |  |  |
|   |               |          |                     | _            | $\perp$   | 4       | 4-      | $\bot$        | Ш               |              |          |          | _        |                 | Ш           | 4              |          |         |  | <u> </u> |            | $\sqcup$   | _        | 1          |                 | $\dashv$     |          | Ш         |  |  |  |
|   |               | 2        | 2                   | $\dashv$     | +         | +       | +       | +             | ╂╌┤             | -            | <u> </u> | 51<br>52 | +        | $\vdash$        | +           | +              | $\dashv$ | +-      | +-   | -        | 101        | $\vdash$   | +        | +          | $\vdash$        | $\dashv$     |          | Н         |  |  |  |
|   |               | 3        | Ш                   |              | $\exists$ | $\top$  |         | $\perp$       |                 |              |          | 53       |          |                 |             | _              | 士        |         |  |          | 103        | H  | $\top$   |            |                 |              |          |           |  |  |  |
|   |               | 4        | Ш                   | _            |           | 4       |         | 1_            |                 | _            |          | 54       |          |                 | П           | $\Box$         |          |         | П  |          | 104        | Ц  |          |            |                 | $\Box$       |          | П         |  |  |  |
|   |               | 5<br>6   | HH                  | $\dashv$     | +         | +       | +       | +             | $\vdash$        |              | <u> </u> | 55<br>56 | +        | $\vdash$        | $\vdash$    | +              | $\dashv$ | +-      | Н  | <u> </u> | 105<br>106 | $\vdash$   | +        | ╆          |                 | -            |          | $\vdash$  |  |  |  |
|   | -             | 7        | Н                   | _            | $\dashv$  | +       | +       | ╁             | $\vdash$        |              | $\vdash$ | 57       |          | $\vdash$        | -           | $\forall$      | $\dashv$ | +       | H  | -        | 107        | $\vdash$   | +        | ╁          | $\vdash$        | -            | +        | H         |  |  |  |
|   |               | 8        |                     |              |           | 士       |         |               |                 |              |          | 58       |          |                 |             | 1              |          |         |  |          | 108        |  |          | T          |                 | $\dashv$     |          | П         |  |  |  |
|   |               | 9        | Ш                   |              |           | _       | $\perp$ | ļ_            | Ш               | _            |          | 59       |          | _               |             | $\perp$        | 4        |         |  |          | 109        | Ш  |          |            |                 |              |          | $\square$ |  |  |  |
| ŀ |               | 10<br>11 | H                   | $\dashv$     | -         | +       | +       | -             | $\vdash$        |              |          | 60<br>61 |          | $\vdash$        | +           | +              | +        | +       | $\vdash$   | -        | 110<br>111 | $\vdash$   | +        | +          | $\vdash$        | -            | -        | H         |  |  |  |
|   |               | 12       | Ħ                   | $\dashv$     | +         | ╅       | +       | +             | H               | -            |          | 62       |          | +               | +           | $\dagger$      | $\dashv$ | +       | Н  | -        | 112        | H  | +        | ╁          | H               | _            | +        | H         |  |  |  |
|   |               | 13       | П                   |              |           |         |         |               |                 |              |          | 63       |          |                 |             | 1              |          |         |  |          | 113        |  |          |            |                 |              |          |           |  |  |  |
|   |               | 14<br>15 |                     | 4            | 4         | +       | +       | -             | $\vdash$        | -            |          | 64<br>65 | - -      | ╀               |             | 4              | 4        |         | $\sqcup$   | <u> </u> | 114        | $\sqcup$   | _        | 1          | $\sqcup$        | _            |          | 1         |  |  |  |
| } |               | 16       | H                   |              |           | ╁       | +-      | +             | Н               | $\dashv$     | <u> </u> | 66       |          | $\vdash$        |             | +              | +        |         | <del>                                     </del> | -        | 115<br>116 | H  |          | +          | $\vdash$        | +            | +        | Н         |  |  |  |
| Ì |               | 17       |                     |              |           | 1       |         |               |                 |              |          | 67       |          | П               |             | 1              | $\top$   | $\top$  |  | $\vdash$ | 117        | 11   | $\dashv$ | T          | H               | $\dashv$     | $\top$   | H         |  |  |  |
|   |               | 18       | //                  | _            |           | $\perp$ | $\perp$ |               |                 |              |          | 68       | $\perp$  |                 |             | $\perp$        |          | $\perp$ |  |          | 118        |  |          |            |                 |              |          |           |  |  |  |
| - |               | 19<br>20 | <b>V</b>            | $\dashv$     | -         | +       |         | ╫             | $\vdash$        |              | ├—       | 69<br>70 | +        | Н               | $\dashv$    | +              | -        | +       | +  | <u> </u> | 119<br>120 | H  |          | -          | Н               | -            | -        | $\vdash$  |  |  |  |
| - |               | 21       | 끕                   | 7            | -         | +       | +       | +             | $\vdash$        | $\dashv$     | _        | 71       |          | $\vdash$        | $\dashv$    | +              | +        | +       | H  | -        | 121        | Н  |          | ╁          | -               | ┰            | $\dashv$ | $\vdash$  |  |  |  |
| [ |               | 22       | J                   | 7            |           | 工       |         |               |                 |              |          | 72       |          |                 |             | İ              | 1        |         |  |          | 122        | П  |          |            |                 | 寸            |          | $\Box$    |  |  |  |
|   |               | 23       | ૭                   | $\downarrow$ | 4         | 4       | +       | $\bot$        | Ш               | _            |          | 73       | _        | Ш               | _           | 4              | _        |         | Щ  | <u> </u> | 123        |  | _        |            |                 |              |          |           |  |  |  |
| } |               | 24<br>25 | ቨ                   | 4            | $\dashv$  | +       | +       | ╁             | Н               | -            | -        | 74<br>75 |          | Н               | +           | +              | +        | +       | <del>                                     </del> | <u> </u> | 124<br>125 | $\vdash$   |          | +          | Н               | $\dashv$     | +        | $\vdash$  |  |  |  |
| Ì | $\rightarrow$ | 26       | Ť                   | $\dashv$     | $\dashv$  | +       | +-      | +-            | 1               | $\dashv$     | -        | 76       |          | $\vdash$        | +           | $\dagger$      | $\dashv$ | +       | +  | ╟        | 126        | $\vdash$   | ╅        | +          | $\vdash$        | $\dashv$     |          | $\vdash$  |  |  |  |
| [ |               | 27       |                     |              |           |         | L       |               |                 |              |          | 77       |          |                 |             | $\perp$        |          |         |  |          | 127        |  |          |            |                 |              |          |           |  |  |  |
| } |               | 28       | $+\!\!\!+\!\!\!\!+$ | 4            | $\perp$   | +       | +-      | +-            |                 |              |          | 78       |          | $\vdash$        | +           | 4              | +        | -       | _  | <u> </u> | 128        | Н  | - -      | _          | Ш               | _            |          | Ц         |  |  |  |
|   |               | 29<br>30 | ╫                   | $\dashv$     | +         | +       | +-      | +             | H               | -            |          | 79<br>80 |          | ╂╌┤             |             | +              | +        | +-      | H  |          | 129<br>130 | $\vdash$   | +        | ╁          | Н               | -            |          | H         |  |  |  |
| Ī | _             | 31       |                     |              | $\top$    | $\top$  | 1       | 1             | $\Box$          | -            |          | 81       | 1        | $\vdash$        | 1           | 十              | 十        | +       | H  | -        | 131        |  | +        | ╁┈         | $\vdash$        | $\dashv$     | $\dashv$ | Н         |  |  |  |
| [ |               | 32       | $\mathbf{I}$        | $\Box$       | $\perp$   | Ţ       | $\perp$ | Г.            |                 |              |          | 82       |          | П               |             | 1              |          |         |  |          | 132        |  |          |            |                 |              |          | П         |  |  |  |
| ŀ |               | 33<br>34 | ₩                   | -            | +         | +       | +       | -             | $\vdash$        |              | <u> </u> | 83<br>84 |          | -               |             | +              | $\dashv$ |         | $\square$  | <u> </u> | 133<br>134 | $\vdash$   |          | +          | Н               | -            |          | Н         |  |  |  |
| } |               | 35       | ++                  | +            | +         | ╫       | +       | +             | $\vdash$        |              |          | 85       | $\dashv$ | $\vdash$        | +           | +              | +        | +       | Н  | -        | 135        | $\vdash$   | +        | ╁╌         | ╢               | -+           |          | Н         |  |  |  |
|   |               | 36       | V                   |              |           | 丄       |         |               |                 |              |          | 86       |          |                 |             |                |          |         |  |          | 136        |  |          |            |                 |              |          | $\Box$    |  |  |  |
| ļ |               | 37       | 4                   | 4            | -         | -       |         | -             | Н               |              |          | 87       | 4        | Ш               |             | 4              | _        |         | Ш  | _        | 137        |  |          | _          | Ш               | 4            |          | Ц         |  |  |  |
| } |               |          | 0                   | $\exists$    | - -       | ╁       | +       | +             | $\vdash$        | -            |          | 88<br>89 |          | $\vdash$        | +           | +              | +        |         | -  |          | 138<br>139 | $\vdash$   | +        | +          | $\vdash$        | $\dashv$     | +        | $\vdash$  |  |  |  |
| ļ |               | 40       | Y                   | $\dashv$     | $\dashv$  | +       | $\top$  | $\dagger$     | $\vdash$        | -            |          | 90       | +        | $\vdash$        | $\dashv$    | +              | +        | +       | H  | -        | 140        | $\vdash$   | +        | +          | H               | 十            | +        | $\vdash$  |  |  |  |
| Ţ |               | 41       | ত                   |              | $\perp$   |         | $\perp$ |               |                 | $\Box$       |          | 91       |          |                 |             | 1              | $\Box$   |         |  |          | 141        |  | $\perp$  |            |                 | コ            | 丄        | Ш         |  |  |  |
| } |               | 42<br>43 | 4                   | 4            | $\dashv$  | +       | +       |               | $\vdash \vdash$ | -            |          | 92       |          |                 | $\perp$     | $\perp$        | 4        | +       | $\square$  |          | 142        | $\prod$  | $\perp$  | $\perp$    | $\Box$          | $\perp$      |          | Ш         |  |  |  |
| ŀ |               | 44       | $\dashv$            | +            | +         | +       | +       | +             | $\vdash$        | $\dashv$     |          | 93<br>94 | +        |                 | +           | +              | +        | +       | H  | $\vdash$ | 143<br>144 | $\vdash$   | +        | +          | $\vdash \vdash$ | +            | +-       | H         |  |  |  |
| Ì |               | 45       | 丁                   |              |           | 士       | 丁       |               |                 |              |          | 95       |          |                 |             | $\dagger$      | _        | $^{+}$  |  |          | 145        | $\Box$   | $\top$   |            | H               | $\dashv$     | +        | Н         |  |  |  |
| [ | $\Box$        | 46       | $\Box$              | Ţ            | T         | T       | Ţ       |               | П               | 7            |          | 96       |          | П               |             | Ţ              | $\perp$  |         |  |          | 146        |  |          |            |                 | $\downarrow$ | 1        | $\Box$    |  |  |  |
|   | $\dashv$      | 47<br>48 | +                   | +            | +         | +       | +       | +             | $\vdash$        | -            |          | 97<br>98 | +        | $\vdash \vdash$ |             | +              | +        | -       | $\square$  | <u> </u> | 147        | $\vdash \vdash$                                  |          | ┼          | $\vdash \vdash$ | $\dashv$     |          | $\sqcup$  |  |  |  |
| } | $\dashv$      | 49       | $\dashv$            | $\dashv$     | +         | +       | +       | 1-            | $\vdash$        |              |          | 99       | +-       | $\vdash$        | +           | +              | +        | +       | H  | -        | 148<br>149 | $\vdash \vdash$                                  | +        | +          | $\vdash \vdash$ | +            | +        | Н         |  |  |  |
| F |               | 50       | $\dashv$            | $\dashv$     | $\dashv$  | 十       | +       | +             | $\vdash$        | -            | $\vdash$ | 100      | $\dashv$ | ✝               | $\dashv$    | +              | 十        | +-      | H  | 1        | 150        | $\vdash$   | $\dashv$ | +-         | -               | $\dashv$     | +        | ↤         |  |  |  |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination